

ABSTRACT

A fine powder of metallic copper, suitable as a material for electroconductive pastes, and having a BET diameter of $3\mu\text{m}$ or less, large crystallite size, high dispersibility and particles of high sphericity and a process for producing the same. More specifically, a fine powder of metallic copper having a BET diameter of $3\mu\text{m}$ or less, particles of high sphericity and crystallites of 0.1 to $10\mu\text{m}$ in size, and more preferably containing oxygen at 0.3% by weight or less. Moreover, the fine powder of metallic copper can be produced stably and efficiently by blowing an ammonia-containing gas onto molten copper kept at 1120°C . More specifically, it can be produced more stably and efficiently by blowing ammonia at 0.015L/minute or more per unit area (cm^2) of the molten copper.